

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number
WO 2005/049581 A1

(51) International Patent Classification⁷: C07D 237/22,
237/24, 401/12, 417/04, 403/04, 413/04, 401/14, 401/04,
495/04, 471/04, 417/14; A61K 31/50, 31/501, A61P 11/06

Wenceslao [ES/ES]; C/Camprecios 19, Esc. B, 1º1a,
F-08960 Sant Just Desvern (ES). VERGELLI, Claudia
[IT/IT]; Via Boccaccio, 11, I-50012 Grassina (IT).

(21) International Application Number:
PCT/EP2004/012604

(74) Agents: WINKLER, Andreas et al.; Boehmert &
Boehmert, Hollerallee 32, 28209 Bremen (DE).

(22) International Filing Date:
8 November 2004 (08.11.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(30) Priority Data:
P 200302613 10 November 2003 (10.11.2003) ES

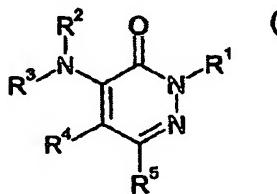
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PYRIDAZIN-3 (2H)-ONE DERIVATIVES AND THEIR USE AS PDE4 INHIBITORS



(57) Abstract: New pyridazin-3(2H)-one derivatives having the chemical structure of general formula (I) are disclosed; as well as processes for their preparation, pharmaceutical compositions comprising them and their use in therapy as inhibitors of phosphodiesterase 4.

WO 2005/049581 A1